

By: Janet Nesheim, Derivative Classifier DOE, EMCBC (47

Date: 10-27-08

Confirmed Unclassified, Not UCNI

Reviewed for Classification/UCNI

Rocky Flats Environmental Technology Site P.O. Box 464 Golden, Colorado 80402

(303) 966-7000 (303) 966-8244

CORRES. CONTROL LTR. NO.

January 14, 1998

98-RF-00236

Originator Ltr Log # JWP-002-98

K-H Corres, #

B-RF-00236

BENSON, C. A.	+
CARMEAN C.H.	┿
CHAWFORD, A. C.	+
DAWSON, D.	+-
EDWARDS, J. D.	1-
FINDLEY, M. E	+
FIIZ.R.C.	1
GURNA, L. A.	1
HUGHES, F. P.	$\top$
LAW, J. E.	+
OVERUD, T. W.	+

SUTTON, S. PL WHEELER. M. CAULFIELD, R.A. GRAY, T. D. GUTHRIE, C. L.

PATTERSON, J. W.

MCANDREW. W. J. Chatbiji, P

Adjum Kac. CONTROL

TRAFFIC PATS/T130G CLASSIFICATION:

UCN

UNCLASSIFIED

CONFIDENTIAL

SECRET **AUTHORIZED CLASSIFIER** 

SIGNATURE:

IN REPLY TO RF CC NO .:

**ACTION ITEM STATUS:** D PARTIAL/OPEN CLOSED.

D. W. Ferrera, Deputy Director Kaiser-Hill Company L. L. C. Site Operations and Integration **Building 115** Rocky Flats Environmental Technology Site

REQUEST FOR APPROVAL FOR OFF-SITE SHIPMENTS — JWP-002-98

The purpose of this letter is to request Kaiser-Hill Company, L. L. C.'s (K-H) approval for the following off-site shipments:

- Product Number 1 and 2 Diesel fuel: and
- 2. A mixture of waste water, surfactant, and diesel fuel.

BACKGROUND
On January 14, 1998 Rocky Mountain Remediation Services, L. L. C. (RMRS) received a copy
On January 14, 1998 Rocky Mountain Remediation Services, L. L. C. (RMRS) received a copy
of Colorado, Inc. (DCI) Traffic Management to Shippers of the of a letter from DynCorp of Colorado, Inc. (DCI) Traffic Management to Shippers of the Department of Energy Owned Property. This letter stated, "Due to the suspension of shipment of materials from the Rocky Flats Environmental Technology Site as stated in R. G. Card's letter to Jessie M. Roberson, Traffic Management is addressing each shipment separately. In Mr. Card's letter a list of exceptions to this suspension were identified: "shipments of waste, special nuclear material, and operational services such as laundry and respirators, all of which are adequately characterized, will continue."

DCI identified a path that may be taken to get approval for your shipment:

Contact your K-H Integrator;

2. Explain the need for the shipment;

3. Provide a complete inventory; and

4. Characterize the material.

M. D. Brailsford, D. W. Ferrera, and J. D. Thompson were identified as individuals that could approve shipments.

EXPLANATION AS TO THE NEED TO APPROVE THE SHIPMENT OF THESE MATERIALS In keeping with these guidelines, RMRS is requesting written approval of shipment of diesel product and waste rinsate (water/surfactant/diesel) from the Underground Storage Tank (UST) program to facilities managed by Thermo Fluids Inc. The removal and disposal of these materials has been planned for several months. Approval of aff-site vendors by K-H Environmental Compliance is required before any materials/wastes can be managed by an off-site vendor. An audit team headed by Karan North, K-H Environmental Compliance, inspected the following Thermo Fluids Inc. (TFI) facilities:

- The diesel is scheduled to be used directly as a fuel blending product at Thermo Fluids, Inc., 4845 Forest Street, Denver, Colorado;
- The waste rinsate solution is scheduled to be sent to a waste water treatment facility also operated by Thermo Fluids Inc. at 4301 West Jefferson Street, Phoenix, Arizona.

Both facilities were conditionally approved and a copy of this approval is attached. In anticipation of approval, arrangements were made with TFI to start pumping diesel and rinsate on D. W. Ferrera January 14, 1998 JWP-002-98 Page 2 of 2

January 14, 1998. A tanker truck arrived mid-morning and is now presently on-site awaiting approval to leave the site.

CHARACTERIZATION

The mixture of number 1 and number 2 diesel (30% #1 and 70% #2) will be sent off-site as product. It will be used directly by the Denver TFI facility as product (fuel for asphalt plants). This material is not a waste. A copy of a Material Safety Data Sheet (MSDS) for #2 Diesel is attached as is a Non-Routine Waste Origination Log (NRWOL) for this material.

The rinsate mixture consists of surfactant (soaps), water, and whatever residue diesel remains in the tanks when they are washed out. This material is a waste and is scheduled to be sent to the Phoenix TFI facility. This facility has a waste water treatment unit WWTU that will separate out the diesel and discharge to the City of Phoenix sewer system. This WWTU is permitted under Section 307(b) of the Clean Water Act by the City of Phoenix. In accordance with 40 CFR 262.11, a Process Knowledge hazardous waste determination has been completed by Ted Hopkins of RMRS Environmental Compliance for this material. This waste rinsate is a nonhazardous Resource Conservation and Recovery Act (RCRA) solid waste. The Phoenix TFI facility can accept this material for treatment. A copy of this waste streams NRWOL and a Property Release Evaluation has been completed for this material and are attached.

The UST Program anticipates that removal of the diesel and rinsate will take approximately two weeks. Roughly 56,000 gallons of #1 and #2 diesel will be shipped off-site and an additional 4,200 gallons of rinsate (surfactant/water/diesel) mixture will be generated. Each shipment of these materials will be accompanied by individual shipping papers with the exact volume of each shipment. These shipping papers, for both the diesel product and waste rinsate, will serve to complete the inventory requirements specified in the DCI letter.

RESPONSE REQUIREMENTS

None required. If you have any questions in regard to this document, please contact me at extension 7678 or Ted Hopkins at extension 7652.

James W. Patterson, Director

Engineering/Construction/Decommissioning/Facilities

Temo W. Etterson by Sed Attoptions

KAISER-HILL APPROVAL OF SHIPMENTS

In accordance with the requirements specified in the January 14, 1998 DCI letter, the information contained or attached to this letter is sufficient to allow for the shipment of these materials off-site to the designated facility. I, therefore, approve the shipments of these materials.

**APPROVED:** 

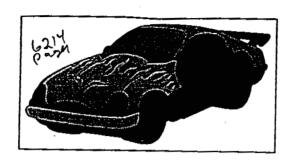
Jenen 1/14/98

Deputy Director, K-H

TAH:alk

Attachments: As Stated (5)

K. A. Dorr



## WEIGHT TICKET

**EMPTY WEIGHT=** 

09:58 AM

01-14-97

22120 15 GR 22120 15 GR

FULL WEIGHT=

10, 0g

01-14-97

49040 15 GR 49040 15 GR

COMPANY NAME:



WEIGHED BY:

Page deleted due to Confidential Information

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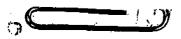
الد. RF-24320 و..



## DYNCORP OF COLORADO, INC.

12046

FROM:	RMRS.		<b>1</b> 1		SHIPPING MEMO
LUCIA!		ME OF CONTRACTOR			USE THIS FORM TO AUTHORIZE OFFSITE SHIPMENT, AUDITABLE FORM – MUST BE TYPED.
FOR:	Rocky Flats E	MENT OF ENERGY nvironmental Techno y 93 and Cactus Aven S. CO 80007		Material Cl	lassification Diesel Fuel and Rinsate
то:	Thermo Fluids, 4845 Forest St Denver, CO	inc.			harge No. ASH/0410/0483/NCIPHI
ATTN: Frank Edward Scoles FOR: ORDER#:			B/L No. T.B.D.  Date Shippedverfous Partial Final Freight Code Prepaid Collect		
	CON	TAINER DATA			CONTENTS
Number	Type	Size	Gross Wt.	Quantity	Description
4 14 15 16 21 23 711 4 14 15 16 21 23 711	Diesel Diesel Diesel Diesel Diesel Diesel Diesel Rinsete	, , , , , , , , , , , , , , , , , , ,	266,0001bs 6,6001bs 13,2000bs 26,6401bs 26,6001bs 3,3001bs 13,2001bs 2,0001bs 2,0001bs 4,0001bs 3,5000bs	2,000gal 4,000gal 4,600gal 4,600gal 2,000gal 2,000gal 300gal 600gal	Rinaate containing dieaml and non-hazardow soap products
		-			TOTAL CONTAINERS (9) Truck Loads
Releas	se in accordance w	panied by Proof of Radio ith current health and saf including Federal Express	ety practices.	Packed By Authorized	TOTAL WEIGHT
a copy	A CHARRAL OF WHILE	n Lauvii.		II L'eceived	DyDate



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## DYNCORP OF COLORADO, INC.

12046

			11	İ	SHIPPING MEMO
FROM:	FORRS NA	ME OF CONTRACTOR			USE THIS FORM TO AUTHORIZE OFFSITE SHIPMENT. AUDITABLE FORM - MUST BE TYPED.
FOR:	U.S. DEPARTI Rocky Flats E	MENT OF ENERGY invironmental Technol y 93 and Cactus Avent			assification Diesel Fuel and Rinsate
TO:	Thermo Fluids, inc. 4845 Forest St. Denver, CB 80216			B/L No	arge NoA5H/0410/0483/8C1PH1  .b.b
ATTN: FOR: ORDER#	Frank Edward	Scoles			dePrepaidCollect
	CON	TAINER DATA			CONTENTS
Number	Туре	Size	Gross Wt.	Quantity	Description
4 14 15 16 21 23 711 4 15 16 21 23 711	Diesel Diesel Diesel Diesel Diesel Diesel Rinsete		266,000 The 6,600 The 13,200 Phi 26,640 The 26,640 The 26,640 The 13,200 The 2,000 The 2,000 The 4,000 The 3,500 Phi 3,500 Phi	1,000gal 2,000gal 4,000gal 4,000gal 500gal 2,000gal 300gal 300gal	Rinsate containing disaml and non-hexardous soap products
Release	e in accordance w	panied by Proof of Radiok ith current health and safe ncluding Federal Express s orization.	ty practices.	Packed By Authorized	TOTAL CONTAINERS (9) Truck Loads  TOTAL WEIGHT  By F. Chetter J1 Telephone No. 366-4521  Bldg.  By Date

WORK PERFORMED BY:

# NON-ROUTINE WAS I'E ORIGINATION LOG

ROOM NA WORK CONTROL # \_349303 BUILDING 371

OF.

PAGE 1

WORK PACKAGE TITLE: UNDERGROUND STORAGE TANK REPLACEMENT, TANK 4. BUILDING 371 RMRS

CHARACTERIZATION RATIONALE/COMMENTS: This is generated during the cleaning of the existing diesel fuel tank, which has been drained and rinsed for closure: it is not contaminated and is non-radioactive. Waste is going to Resource Environmental Group which will be shipped to: G. PANKONIN Waste Confact Signature Date FOR REVISION G. Pankonin CHARACTERIZATION RATIONALE/COMMENTS: This is generated during the draining Process for the existing fuel oil tank. This material is #2 Diesel fuel. Characterization per MSDS shows this product to be ignitable (130°F), and will therefore carry the EPA code D001 (Tank 4, Bldg. 371)— Law Lemanterization per MSDS shows this product to be ignitable (130°F), and will therefore carry the EPA code D001 (Tank 4, Bldg. 371)— Law Lemanterization per MSDS shows this product to be ignitable (130°F), and will therefore carry the EPA code D001 (Tank 4, Bldg. 371)— Law RCRA CUSTODI-AN EXT/PAGER Ϋ́ ž Eltey Chemical Environmental Septicos. SEE A 7 747 Sheridan Blvd. Sufte # AA Lakeyood, Co. 80214 Confact Person: Jeff Dyke 238-8710 1/19 97 WASTE DESTINATION BIODEGRADE RECYCLE LDR Code(s) 专管 EPA Code(s) SOME **4** لت*ر*ارة S K S 47 βŧ **₹**8 8 NXX RCRA Hazardous Waste (Y/N) PRE# 961205-T690B-002 349303-01 \*Process # 349303-02 1529 ¥ EC Waste is to be shipped to: DESCRIPTION Diesel Fuel Rinsate from Diesel Tank 5 5 5 5 N

Conservative Services, Inc.

Denver, CO 80233 Phone: (303) 280-9336 2090 E 104TH AVE.

PRE# 961205- T6908-:001

Pager: 7724 Date 4/24/56 Ext 5842 \* No Non-Routine Waste Origination Log is required if the waste is identified with a Process Number in the applicable Building WSRIC Book Employee Number: (Typed or Printed/Signature) EC/EPM Review/Approval:

RF-47637 (6/95)

ORIGINAI

WORK PERFORMED BY:

RMRS

NON-ROUTINE WAS IE

ROOM \_ N/A WORK CONTROL # \_349303 BUILDING 776

PAGE \_ OF \_

ORIGINATION LOG

CHARACTERIZATION RATIONALE/COMMENTS: This is generated during the draining Process for the existing fuel oil tank. This material is #2 Diesel fuel product. Characterization per MSDS shows this product to be ignitable (130°F), and will therefore entry the EPA code D001. (Tank 23, Bldg. 776)

National to be shinned to: G. PANKONIN Waste Contact Signature Date RCRA CUSTODI-AN EXT/PAGER ž. WASTE DESTINATION RECYCLE Postat LDR Code(s) WORK PACKAGE TITLE: UNDERGROUND STORAGE TANK REPLACEMENT. TANK 23. BUILDING 776 Z 专 EPA Code(s) CODE Ą **₹**8 કુષ્દ્ RCRA Hazardous Waste (Y/N) 349303-01 \*Process # 1529 WFC/ DESCRIPTION Diesel Fuel OUT #TPF

Wasters to be shipped to:

PRE# 961205-T690B-002

Approved Oil Service-Thic. The man of Fluids Inc., Jud Hopks 5390 B. 72 nd Ave.

Commerce City, Co 80022 Commerce City, Colo code 80021

Contact Person: Ed Sorte 287-2808

Contact Person: Ed Sorte 287-2808

Contact: Ed Scole

CHARACTERIZATION RATIONALE/COMMENTS: This is generated during the cleaning of the existing diesel fuel tank, which has been drained and rinsed for closure: it is not contaminated and is non-radioactive. Waste is going to Resource Environmental Group which will be shipped to: G. Pankonin Themal Fluids Inc. 4301 West Jefferson Street BIODEGRADE ž ž 4 8 349303-02

PRE# 961205-T 690B-001

Conservative Services Anc. 2090 E. 104THAVE. Denver, CO 80233 Phone: (303) 280-9336

Phoning to

Date 11/24/94 Ext 5892 • No Non-Routine Waste Origination Log is, required if the waste is identified with a Process Number in the applicable Building WSRIC Book Employee Number: (Typed or Printed/Signature)

EC/EPM Review/Approval: 40.55

Pager: 7724

DDIGINAL

WORK PERFORMED BY:

# NON-ROUTINE WAS LE ORIGINATION LOG

WORK CONTROL # 349303

BUILDING 776

ROOM N/A

PAGE LOF L

WORK PACKAGE TITLE: UNDERGROUND STORAGE TANK REPLACEMENT, TANK 23, BUILDING 776 **ORIGINATION LOG** RMRS

CHARACTERIZATION RATIONALE/COMMENTS: This is generated during the draining Process for the existing fuel oil tank. This material is #2 Diesel fuel purely Characterization per MSDS shows this product to be ignitable (130°F), and will therefore early the EPA code D001. (Tank 23, Bldg. 776)

Weste is to be shipped to:

Approved Oil Service Inc. Date 19/4/9/6 Ext 56 43 Pager: 772 Y G. PANKONIN CHARACTERIZATION RATIONALE/COMMENTS: This is generated during the cleaning of the existing diesel fuel tank, which has been drained and rinsed for closure: it is not contaminated and is non-radioactive. Waste is going to Resource Environental Group which will be shipped to: Waste Contact Signature Date Jedtholi Mules G. Pankonin Approved OII Service Inc.
5390 E. 72 nd. Ave.
Commerce City, Co. 80022
Contact Person. Ed Sole 287-2808
Contact Person. Ed Sole 287-Thermal Fluido Inc Jedtholi-4301 Vest Jefferson Procuix, Az Contest: Bobbi Good RCRA CUSTODI-AN EXT/PAGER ž WASTE DESTINATION BIODEGRADE RECYCLE the applicable Building WSRIC Book. Code(s) 울ħ ž EPA Code(s) **P** Ź ¥ Z Conservative Services; Inc. Phone: (303) 280-9336 2090 E-104TH AVE. CODE Denver\_CO 80233 \* No Non-Routine Waste Origination Log is required if the waste is identified with a Process Number 4 Employee Number: SCR. (Typed or Printed/Signature) 00 5 **≨**8 47 8 dif RCRA Hazardous Waste (Y/N) PRE# 961205-T690B-002 961205- 7-6908-001 349303-01 \*Process # 349303-02 EC/EPM Review/Approval: <u>წ</u> 1529 1529 DESCRIPTION Diesel Fuel Rinsate from Diesel Tank RF-47637 (6/95) 5 1 1 1 1 1 1 1 1 1 1

ORIGINAL

ORIGIN!

WORK PERFORMED BY:

RMRS

NON-ROUTINE WASTE ORIGINATION LOG

WORK CONTROL # 349303 -2 BUILDING 559, 562, 708 ROOM NA

PAGE LOF L 6. PANKONIA Send to: Approved Oil Service Inc., 5390 E, 72 to Ave. Commerce City, Co. 80022 contact Ed Sole 287.281 CHARACTERIZATION RATIONALE/COMMENTS This rinisple is generated during the cleaning of the existing fuel texts, which has been drained and rinished for cloure. It is not contaminated and is non-regions the rines to mill be shipped to: Fuel oil tenks. This is # 2 Dieselfuel oil is being recovered during the draining of the existing going to be recycled it is not a hozardous wester if it is not a hozardous wester it is not a hozardous wester it is not a hozardous wester it is not recycled or fiel bleaded it will be reckled for the part of solutions. Wate Costs Signature Date RCRA CUSTODI-AN EXTIPAGER S WASTE DESTINATION Recycle Phune 303.280-9.336 Ω Ω Ω (§  $\succ$ € 884 884 ₹ 44 Consulutive Services Inc, 20% E log # AUE, Denver, CU. 80233 <u>Š</u>Š8 47 **5**8 0 RCRA Hazardous Warte (Y/N) > CHARACTERIZATION RATIONALE/COMMENTS Diesel Fuel 1529 349303-2-01 Process # PRE = 96/205- T6908-002 PRE # 961205-76808-001 § 55 5 Rinsote from DESCRIPTION 5,5 4

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	_ ∨ A∨		erated d	3	
	00 00		debris sen	<b>,</b>	
	2		concrete	sctive.	
	Dirt + Concrete 1374 347303-2-03	CHARACTERIZATION RATIONALE/COMMENTS	This output consists of dirt and concrete debris generated during the removal of these tents The	15 not Hazerdous and is not redioactio	
	e 1374 34	N RATIONAL	to Asis	21 Are 21	
,	irt + Concret	CTERIZATION	nother t con	Hazerdo	
0	7	CHARAC	12.0	10: 21	

Pager: 5733 Ext 6387 No Non-Routine Waste Origination Log is required if the waste is identified with a Process Number in the applicable Building WSRIC Book 57 Employee Number: EC/EPM Review/Approval: RF-47637 (6/95)

## **MATERIAL SAFETY DATA SHEET**

## CORPORATE RESEARCH & DEVELOPMENT

SCHENECTADY, N. Y. 12305



No.	469

FUEL OIL NO. 2

		INFOR	MATION	Date	October	1981
SECTION I. MATERIAL IDENTI	FICATION					
MATERIAL NAME: FUEL OIL NO. 2 DESCRIPTION: Mixture of petrole OTHER DESIGNATIONS: ASTM D396, MANUFACTURER: Available from m AMOCO Oil Co. 200 East Randolp Chicago, Illinoi	um hydrocarbons GE Material D27 any suppliers,	BlA, CAS #06			ulfur co	ntent.
SECTION II. INGREDIENTS AN	D HAZARDS		x	147	AZARD D	ATA
Fuel 0il No. 2 Complex mixture of paraffinic and aromatic hydrocarbons Sulfur content Benzene** *Current OSHA standard and ACGI	•	hthenic,	<0.5 <100 ppm	(miner	WAS mg/	
**A low benzene level reduces carcinogenic risk. Fuel oils are exempted under the benzene standard (29 CFR 1910.1028)						
SECTION III. PHYSICAL DATA	1	<del></del> ,	I	L	<del></del>	
Boiling point range, deg F, ——— Ca 340-675 Specific gravity (H <sub>2</sub> 0=1) —— <0.876 Solubility in water ————————————————————————————————————						
SECTION IV. FIRE AND EXPLO					LOWER	UPPER
	ignition Temp. C (495F)	Flammabilit	y Limits	In Air	0.6	7.5
Extinguishing Media: Dry chemical, carbon dioxide, foam, water spray. Use a water spray to cool fire exposed containers. Use a smothering technique for extinguishing fire of this combustible liquid. Do not use a forced water stream directly on oil fire as this will only scatter the fire. Material is an OSHA Class II combustible liquid. Firefighters should wear self-contained breathing apparatus and full protective clothing.						
SECTION V. REACTIVITY DAT	Α					
This is a stable material in closed containers at room temperature under normal storage and handling conditions. It does not undergo hazardous polymerization. Imcompatible with strong oxidizing agents; heating greatly increases fire hazard. Thermal-oxidative degradation may yield various hydrocarbons and hydrocarbon derivatives (partial oxidation products), $\infty_2$ and $\infty$ and $\infty_2$ .						

Mg C Vor TOTAL PETROLEUM, INC. HATERIAL SAFETY DATA SHEET

Total No. 2 Diesel

SYNONYMS: No. 2 Distillate CHEMTREC 1-800-424-9300

X-Grade Diesel, No. 2 Fuel Oil

SECTION I - MANUFACTURER INFORMATION

EMERGENCY PHONE NUMBER:

E. Superior Street, Alma, Mi. 48802

(517) 463-1164

P.O. Box 857, Arkansas City, Ks. 67005

(316) 442-5100

P.O. Box 188 Ardmore, Ok. 73401

(405) 221-6222

Colorado Refining Company (a wholly-owned subsidiary)

5600 Brighton Blvd, Commerce City, Co. 80022

Date prepared or revised: January 22, 1992

Prepared or revised by: M.N. Martin

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component 

No. 2 Diesel Fuel

CAS No. 68476-34-6

TLV NA

Other PEL. Limits NA

100 mg/m<sup>3</sup>

for kerosene by NIOSH

limits expressed as eight-hour time-weighted average concentrations in parts of contaminant per million parts of air by volume (ppm). "Other Limits" are recommended by the National Institute for Occupational Safety and Health (NIOSH) and ware time-weighted over ten hours unless otherwise specified.

NFPA 704M Rating

Health = 1 Flammability = 2 Reactivity = 0 Other = Blank

0 = insignificant 1 = slight 2 = moderate 3 = high 4 = extreme

NA = No applicable information was found



#### TOTAL PETROLEUM, INC.

#### MATERIAL SAFETY DATA SHEET

Total No. 2 Diesel

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (%F): Initial 325; Final 700

Specific Gravity (H<sub>2</sub>O = 1): <1

Vapor Pressure (mm Hg @ 100°F): <50

Melting Point: NA

Vapor Density (Air = 1): 5 to 11 Evaporation Rate (Ether = 1): <1 Solubility in water: Insoluble

Appearance and odor: Pale yellow liquid with characteristic odor of

kerosene

你 化环醇环醇 医内耳氏试验 医环境性 医耳样 计特别 医内耳氏管 医内侧征 医阴道性 医自动性 医神经性 医自己性 医自动性 经证明 化二甲基乙二甲基乙二甲基

#### SECTION IV - PIRE AND EXPLOSION DATA

Flash Point (method used): 100°F to 180°F (pm)

Flammable Limits LEL: 0.7% UEL: 5.0%

Extinguishing media: Dry chemical, foam or carbon dioxide, water spray or fog to cool surrounding containers.

Special Fire Fighting Procedures: Self contained breathing apparatus may be required.

Unusual Fire and Explosion Hazards: NA

### SECTION V - REACTIVITY DATA

Stability

Unstable:

Stable: X

Conditions to Avoid: Heat and flames

Incompatibility (materials to avoid): Oxidizers

Hazardous Decomposition or Byproducts: Carbon monoxide and other petroleum decomposition products.

Hazardous Polymerization May Occur:

Will not Occur: X

Conditions to avoid: NA

NA = No applicable information was found

Jary 22, 1992

Page 3 of 4

#### TOTAL PETROLEUM, INC.

#### MATERIAL SAPETY DATA SHEET

Total No. 2 Diesel

#### SECTION VI - REALTH HAZARD DATA

Route(s) of Entry:

Inhalation? Yes Skin? Yes Inquestion? Yes

Health hazards (acute and chronic)

Acute: Central nervous system depression, peripheral nervous system depression, narcosis, asphyxiation, gastrointestinal disturbances, and eye and skin irritation.

Chronic: Dermatitis, pneumonitis, pulmonary edema, and kidney damage. When used as diesel fuel, NIOSH recommends that whole diesel exhaust be reguarded as a potential occupational carcinogen; follow OSHA and MSHA rules where exhaust fumes may be generated.

Carcinogenicity:

NTF: No

IARC: No

OSHA: No

Studies with rodents have shown that petroleum distillates have caused kidney damage and kidney or liver tumors. Mouse skin painting studies have shown that petroleum distillates which are similar to this product caused a low incident of skin tumors.

Signs and Symptoms of Exposure: Headache, drowsiness, eye, respiratory or skin irritation, nausea, numbness.

Medical Conditions generally Aggravated by Exposure: Impaired pulmonary function, especially those with obstructive airway diseases.

Emergency and First Aid Procedures: Remove from contaminated atmosphere. Remove contaminated clothing. Flush affected areas thoroughly with water. IF SWALLDWED, DO NOT INDUCE VOMITING. Seek medical attention immediately.

## SECTION VII - PRECAUTIONS POR SEFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Eliminate ali sources of ignition. Contain with earthen dike or petroleum absorbent material. Remove with grounded suction pump to salvage container. Remove all contaminated materials.

Waste Disposal Method: Per federal, state and local laws.

Precautions to be taken in Handling and Storage: Keep away from all ignition sources (e.g. heat, flame, sparks, strong oxidizers). Bond and ground container.

Other Precautions: NA

NA = No applicable information was found



#### ID:303 980 1622

#### TOTAL PETROLEUM, INC.

#### MATERIAL SAFETY DATA SHEET

Total No. 2 Diesel

#### SECTION VIII - CONTROL MEASURES

Respiratory Protection (specify type): Organic vapor respirator approved by NIOSH.

Ventilation Local Exhaust: To control vapors

Special: Use explosion proof equipment

Mechanical: For confined spaces

Other: NA

Protective Gloves: PVC or equivalent resistant glove.

Eye Protection: Chemical goggles or face shield.

Other protective clothing or equipment: PVC or equivalent clothing if splashing is likely.

Work/Hygiemic Fractices: Keep body contact and splash to a minimum.

## SECTION IX - ADDITIONAL INFORMATION

Shipping Name - Fuel Oil No. 2

Hazard Class - Combustible liquid

ID Number - UN 1993

SARA

Hazard class:

Flammable: No

Acute: Yes

Chronic: Yes

Stored Pressure: No

Reactive: No

Section 313 listed components - None

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated with Total Petroleum or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

#### PROPERTY RELEASE EVALUATION

DD F	Number:	961205	TKONK	_በስ1
PKE	Mannoer.	741403	- 1 070D	-001

D V	TRNT1	DD.	NO

Charge Number: NC2CM100

'ART I

XTENDED: NO SENDER/CUSTODIAN

Description of Property/Waste To Be

Released/Transferred:

Rinsate from RCRA rinsing of underground fuel storage tanks.

Property's Current Location:

Various USTs located across the plant site.

Property's Destination:

Conservation Services Inc., 2090 E 104th Ave, Denver, CO 80233

Property's New Recipient/Custodian:

CSI

Property History/Process Knowledge:

This liquid was used to rinse out the USTs previously containing fuel for

RCRA closeout.

Has the specified property/waste ever been in

an RMMA or contacted DOE controlled

NO

radioactive materials?

ACKNOWLEDGEMENT:

By sight below, the sender/custodian verifies the information above to be true and correct.

Sender/Custodian: Lorento C

Emp.No

Date: December 5, 1996

Ext: 4225

Pager: 7819

PART II

RADIOLOGICAL ENGINEERING

No Radiological Survey is required due to the property's location, history, and/or characteristics.

\*\* ECIFIC REQUIREMENTS AND/OR COMMENTS:

APPROVAL FOR TRANSFER/SHIPMENT

The property may be released to the recipient indicated in Part 1.

proved:R. S. Tyson

Emp.No.:

Date: 1215 96

Ext.:8172

Pager: 7982

RI

#### PROPERTY RELEASE EVALUATION

PRE Number: 961205-T690B-002	Charge Number: NC2CM100
	CENDED: NO
VRT I	SENDER/CUSTODIAN
Description of Property/Waste To Be Released/Transferred:	Diesel and unleaded fuel from emptying of underground fuel storage tanks.
Property's Current Location:	Various USTs located across the plant site.
Property's Destination:	Approved Oil Service Inc, 5390 E 72nd Ave, Commerce City, CO 80022 OR
	Eltex Chemical Environmental Services, 747 Sheridan Blvd, Ste 4A, Lakewood, CO 80214
Property's New Recipient/Custodian:	AOS or Eltex
Property History/Process Knowledge:	This fuel was stored in the USTs and is being emptied for RCRA closeout.
Has the specified property/wagte ever been in	
an RMMA or contacted DOE antrolled radioactive materials?	ОИ
	ACKNOWLEDGEMENT:
By signing below, the sende	er/custodian verifies the information above to be true and correct.
	D . D . ) 5 1006 D . 1006
Sender/Custodian: Various Obey Emp No	<del></del>
	GICAL ENGINEERING
No Padiological Survey is required due to the	property's location, history, and/or characteristics

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

APPROVAL FOR TRANSFER/SHIPMENT

The property may be released to the recipient indicated in Part I.

Emp.No.:

Date: December 5, 1996

Ext.:8172 Pager:7982

### PROPERTY RELEASE EVALUATION

PRE Number: 961205-T690B-002	Charge Number: NC2CM100
EXT	ENDED: NO
ART I	SENDER/CUSTODIAN
Description of Property/Waste To Be Released/Transferred	Diesel and unleaded fuel from emptying of underground fuel storage tanks.
Property's Current Location:	Various USTs located across the plant site.
Property's Destination:	Approved Oil Service Inc, 5390 E 72nd Avc, Commerce City, CO 80022 OR Eltex Chemical Environmental Services, 747 Sheridan Blvd, Ste 4A, Lakewood, CO 80214
Property's New Recipient/Custodian:	AOS or Eltex
Property History/Process Knowledge:	This fuel was stored in the USTs and is being emptied for RCRA closeout.
Has the specified property/waste ever been in an RMMA or contacted DOE cantrolled radioactive materials?	мо .
By signing below, the sender	ACKNOWLEDGEMENT:  -/custodian verifies the information above to be true and correct.
Sender/Custodian: Varanzo Osey Emp. No.	Date: <u>December 5, 1996</u> Ext. 4225 Pager: 7819
PART II RADIOLOG	ICAL ENGINEERING
No Dedictories Summer is accorded due to the	

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

APPROVAL FOR TRANSFER/SHIPMENT

The property may be released to the recipient indicated in Part I.

Approved: R. S. Tyson

Emp.No.

Date: December 5, 1996

Ext.:8172 Pager:7982

## UNDERGROUND STORAGE TANK REPLACEMENT PROJECT

All Diesel and Unleaded fuels will be removed and transported off site from all of the abandoned fuel storage tanks associated with the 349303 Work Control Number by:

Approved Oil Services Inc.

5390 E. 72 nd Ave.

Commerce City, Co. 80022

Contact Person Ed Sole 287-2808

چ:

Thermal Fluids INC 4845 Forest St.

Denvery Co 80211

No fuel will be removed or transported off site by Eltex Chemical Environmental Services as indicated on any NRWOL associated with the UST Replacement Project Work Control No. 349303

Rivisate well go to:

Thermal Fluido Juc 4301 W. Jefferson St. Phrenix, AZ:



## Interoffice Memorandum

DATE:

January 14, 1998

TO:

Shippers of DOE Owned Property

FROM:

DCI, Traffic Management, Bldg. 441

SUBJECT:

SUSPENSION OF SHIPMENT OF MATERIALS FROM THE ROCKY FLATS

**ENVIRONMENTAL TECHNOLOGY SITE** 

Due to the suspension of shipment of materials from the Rocky Flats Environmental Technology Site as stated in R.G. Card's letter to Jessie M. Roberson, RGC-009-98, Traffic Management is addressing each shipment separately.

Here is a path that may be taken to get approval for your shipment. Contact your Kaiser-Hill Integrator. Explain to them the need for the shipment and give them a complete inventory along with proper characterization. Have them take this information to one of the following for approval:

- M. D. Brailsford, Kaiser-Hill, X3221
- D. W. Ferrera, Kaiser-Hill, X5008
- J. D. Thompson, Kaiser-Hill, X6269

We suggest getting them to approve this in writing. They can either sign the shipping memo, return order, credit card return form, or give a letter of approval. Getting approval in writing will give you confirmation that you are covered if DOE/RFFO does an audit on the material to see if approval was given.

If you have any questions please feel free to contact anyone in Traffic Management:

K.F. Lenarcic, Traffic Manager, X2377

V.C. Ament, X2378

D.A. Parker, X4430

C.J. Vetack, X4675

J.L. Watkins, X7613

FAX, X4588